Release notes for ENDF/B Development n-012_Mg_025 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=1228, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=1228, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 158 TO 272

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=1228, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=1228, MF= 1, MT=451
MOD = 2 OUT OF RANGE 0 - 0 RECORD NUMBER 158

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1228,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 274

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 292

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 316

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 340

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 360

7. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1228,\ MF=3,\ MT=22\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 369

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 377

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 51 SECTION 3/51 NOT IN DIRECTORY

RECORD NUMBER 384

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 404

11. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 423

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 441

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 458

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 475

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=3, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 58 SECTION 3/58 NOT IN DIRECTORY

RECORD NUMBER 507

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 59 SECTION 3/59 NOT IN DIRECTORY

RECORD NUMBER 522

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 537

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 61 SECTION 3/61 NOT IN DIRECTORY

RECORD NUMBER

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 3, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 62 SECTION 3/62 NOT IN DIRECTORY

RECORD NUMBER 565

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 63 SECTION 3/63 NOT IN DIRECTORY

RECORD NUMBER 578

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 64 SECTION 3/64 NOT IN DIRECTORY

RECORD NUMBER 591

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 65 SECTION 3/65 NOT IN DIRECTORY

RECORD NUMBER

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 66 SECTION 3/66 NOT IN DIRECTORY

RECORD NUMBER 615

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 67 SECTION 3/67 NOT IN DIRECTORY

RECORD NUMBER 627

670

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 638

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 680

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 692

31. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 16 (0): Directory (b)

4

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 894

33. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 905

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 51 SECTION 4/51 NOT IN DIRECTORY

RECORD NUMBER 916

35. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 53 SECTION 4/53 NOT IN DIRECTORY

RECORD NUMBER 964

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 54 SECTION 4/54 NOT IN DIRECTORY

RECORD NUMBER 987

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 55 SECTION 4/55 NOT IN DIRECTORY

RECORD NUMBER 1010

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 1033

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 57 SECTION 4/57 NOT IN DIRECTORY

RECORD NUMBER 1056

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 1079

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 59 SECTION 4/59 NOT IN DIRECTORY

RECORD NUMBER 1100

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 1121

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 61

SECTION 4/61 NOT IN DIRECTORY

RECORD NUMBER 1141

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 62

SECTION 4/62 NOT IN DIRECTORY

RECORD NUMBER 1161

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 4, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 63

SECTION 4/63 NOT IN DIRECTORY

RECORD NUMBER 1181

47. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 64 SECTION 4/ 64 NOT IN DIRECTORY

RECORD NUMBER 1201

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 65 SECTION 4/ 65 NOT IN DIRECTORY

RECORD NUMBER 1221

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 66 SECTION 4/ 66 NOT IN DIRECTORY

RECORD NUMBER 1241

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 67 SECTION 4/ 67 NOT IN DIRECTORY

RECORD NUMBER 1261

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 1279

52. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 1298

53. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1545

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF= 5, MT= 28

SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1711

55. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1228,\ MF=5,\ MT=91\ (0):\ Directory\ (b)$

ERROR(S) FOUND IN MAT=1228, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 1843

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 12, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 2069

57. Missing a gamma spectrum for continuum of gammas MAT=1228, MF=12, MT=16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

58. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 12, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 2078

59. Missing a gamma spectrum for continuum of gammas $MAT=1228,\ MF=12,\ MT=$ 22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 28 SECTION 12/ 28 NOT IN DIRECTORY

RECORD NUMBER 2086

61. Missing a gamma spectrum for continuum of gammas MAT=1228, MF=12, MT=28 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 51 SECTION 12/ 51 NOT IN DIRECTORY

RECORD NUMBER 2093

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 52 SECTION 12/ 52 NOT IN DIRECTORY

RECORD NUMBER 2097

64. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 53 SECTION 12/ 53 NOT IN DIRECTORY

RECORD NUMBER 2101

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 54 SECTION 12/ 54 NOT IN DIRECTORY

RECORD NUMBER 2105

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 55 SECTION 12/ 55 NOT IN DIRECTORY

RECORD NUMBER 2110

67. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1228, MF=12, MT= 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 56 SECTION 12/ 56 NOT IN DIRECTORY

RECORD NUMBER 2115

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 57 SECTION 12/ 57 NOT IN DIRECTORY

RECORD NUMBER 2120

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 58 SECTION 12/ 58 NOT IN DIRECTORY

RECORD NUMBER 2125

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 59 SECTION 12/ 59 NOT IN DIRECTORY

RECORD NUMBER 2129

71. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 60 SECTION 12/ 60 NOT IN DIRECTORY

RECORD NUMBER 2134

72. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 61 SECTION 12/ 61 NOT IN DIRECTORY

RECORD NUMBER 2139

73. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 62 SECTION 12/ 62 NOT IN DIRECTORY

RECORD NUMBER 2143

74. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=63 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 63

SECTION 12/ 63 NOT IN DIRECTORY

RECORD NUMBER 2148

75. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=64 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 64 SECTION 12/ 64 NOT IN DIRECTORY

RECORD NUMBER 2153

76. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=65 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 65 SECTION 12/ 65 NOT IN DIRECTORY

RECORD NUMBER 2158

77. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=66 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 66 SECTION 12/ 66 NOT IN DIRECTORY

RECORD NUMBER 2162

78. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=67 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 67 SECTION 12/ 67 NOT IN DIRECTORY

RECORD NUMBER 2166

79. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 2172

80. Missing a gamma spectrum for continuum of gammas $MAT=1228,\ MF=12,\ MT=\ 91\ (1):\ No\ gamma\ spectrum$

ERROR(S) FOUND IN MAT=1228, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

81. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 2181

82. Missing a gamma spectrum for continuum of gammas MAT=1228, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

83. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 2194

84. Missing a gamma spectrum for continuum of gammas $MAT=1228,\ MF=12,\ MT=103$ (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT=103
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

85. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=12, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 2205

86. Missing a gamma spectrum for continuum of gammas MAT=1228, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=1228, MF=12, MT=107 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

87. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 2217

88. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 2219

89. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 2221

90. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 2223

91. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 2225

92. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

RECORD NUMBER 2227

93. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 1228, MF = 14, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 54 SECTION 14/ 54 NOT IN DIRECTORY

RECORD NUMBER 2229

94. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 2231

95. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 56 SECTION 14/ 56 NOT IN DIRECTORY

RECORD NUMBER 2233

96. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 57 SECTION 14/ 57 NOT IN DIRECTORY

RECORD NUMBER 2235

97. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 58 SECTION 14/ 58 NOT IN DIRECTORY

RECORD NUMBER 2237

98. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 59

SECTION 14/ 59 NOT IN DIRECTORY

RECORD NUMBER 2239

99. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 60 SECTION 14/ 60 NOT IN DIRECTORY

RECORD NUMBER 2241

100. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 61 SECTION 14/ 61 NOT IN DIRECTORY

RECORD NUMBER 2243

101. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT= 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 62 SECTION 14/ 62 NOT IN DIRECTORY

RECORD NUMBER 2245

102. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 63 SECTION 14/ 63 NOT IN DIRECTORY

RECORD NUMBER 2247

103. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT= 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 64 SECTION 14/ 64 NOT IN DIRECTORY

RECORD NUMBER 2249

104. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=65 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 65 SECTION 14/ 65 NOT IN DIRECTORY

RECORD NUMBER 2251

105. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 66 SECTION 14/ 66 NOT IN DIRECTORY

RECORD NUMBER 2253

106. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 67 SECTION 14/ 67 NOT IN DIRECTORY

RECORD NUMBER 2255

107. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 14, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 2257

108. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 2259

109. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 2261

110. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

RECORD NUMBER 2263

111. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=15, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 2266

112. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=1228,\ MF=15,\ MT=\ 22\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 2387

113. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 15, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 2472

114. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 15, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT= 91 SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 2535

115. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 15, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 2794

116. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 15, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 3399

117. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1228, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 3631

118. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 33, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=33, MT= 2 SECTION 33/ 2 NOT IN DIRECTORY

RECORD NUMBER 3936

119. Missing a section in directory so your directory is messed up. This error will break everything else MAT=1228, MF=33, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=33, MT= 4 SECTION 33/ 4 NOT IN DIRECTORY

RECORD NUMBER 3993

120. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 33, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=33, MT= 16 SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 4040

121. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 1228, MF = 33, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1228, MF=33, MT=102 SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 4054

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 25. L=0 / STRENGTH FUNCTION IS 1.16964E+01 / STRENGTH FUNCTION 1.16964E+01 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 25. L = 0

STRENGTH FUNCTION IS 1.16964E+01

STRENGTH FUNCTION 1.16964E+01

- ... [1 more lines]
- 2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 25. L = 1 / STRENGTH FUNCTION IS 8.34902E-04 / STRENGTH FUNCTION 8.34902E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 2.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 25. L = 1

STRENGTH FUNCTION IS 8.34902E-04

STRENGTH FUNCTION 8.34902E-04

- ... [1 more lines]
- 3. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 107 / THE CALCULATED Q 3.69071E+05 DISSAGREES WITH THE GIVEN Q 4.80349E+05 (0): Iffy Q

FILE 3

SECTION 107

THE CALCULATED Q 3.69071E+05 DISSAGREES WITH THE GIVEN Q 4.80349E+05

- recent Warnings:
 - 1. Statistical weight of certain L values were incorrect 0: RRR goof (a)

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)

Retrieval Criteria----- MAT

File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)

Reactions with No Background- Output (Resonance Contribution)

... [173 more lines]

• fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination resonances / resolved (Error # 1): missingResonanceChannel

```
WARNING: Missing a channel with angular momenta combination L=0, J=1.0 and S=1.0 for "capture" WARNING: Missing a channel with angular momenta combination L=0, J=3.0 and S=3.0 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.0 and S=1.0 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.0 and S=2.0 for "capture" ... plus 4 more instances of this message
```

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 2): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=1 at E=220000.0 eV, xs[1]/xs[0]=0.323076851842% > 0.1%

3. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.20%

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (n + Mg25): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (n + Mg25): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes. Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 2 (n[multiplicity:'2'] + Mg24 + gamma): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (Mg26 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (Mg26 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

- fudge-4.0 Errors:
 - 1. The spin statistical weights are off, indicating missing channels resonances / resolved / MultiLevel_BreitWigner (Error # 0): badSpinStatisticalWeights

WARNING: The spin statical weights for L=0 sums to 0.416666666667, but should sum to 1.0. You have too few charmanness warning: The spin statical weights for L=1 sums to 1.0, but should sum to 3.0. You have too few channels for respectively.

- njoy2012 Warnings:
 - 1. Evaluation has no unresolved resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No URR
 - ---message from unresr---mat 1228 has no unresolved parameters copy as is to nout
 - 2. Evaluation has no unresolved resonance parameters given purr...probabalistic unresolved calculation (0): No URR
 - ---message from purr---mat 1228 has no unresolved parameters copy as is to nout
 - 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided
 - 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
 - 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
 - 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided